Title (en)

CALIBRATION TOOL, SYSTEM AND METHOD FOR THE AUTOMATED CALIBRATION AND ALIGNMENT OF A HANDLING DEVICE

Title (de)

KALIBRIERUNGSWERKZEUG, SYSTEM UND VERFAHREN ZUR AUTOMATISIERTEN KALIBRIERUNG UND AUSRICHTUNG EINER HANDHABUNGSVORRICHTUNG

Title (fr)

OUTIL D'ÉTALONNAGE, SYSTÈME ET PROCÉDÉ D'ÉTALONNAGE ET D'ALIGNEMENT AUTOMATIQUES D'UN DISPOSITIF DE MANIPULATION

Publication

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Abstract (en)

[origin: WO2010037552A1] The invention relates to a system and method for the automated calibration and alignment of a handling device (1), said device comprising a handling unit (1), in particular a robot, at least one measuring assembly (8) for detecting at least one regulating variable, a calibration tool (2) comprising at least one first guide element (4, 5) that is located at the distal end of the handling device and at least one second guide element (6, 7) that complements the first element (4, 5) and is provided on a work object (20, 9). The system is also equipped with a controller, which, when one guide element is inserted into the other element, in particular along a predefinable co-ordinate axis or direction, automatically guides the handling device (1) to the required calibration position in conjunction with the measuring assembly (8) and calibration tool (2, 3), using the regulating variable or variables. The invention also relates to a corresponding calibration tool (2, 3).

IPC 8 full level

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CPC (source: EP)

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